

3

Animal Product
Manual

Reference

Pet Food, and Livestock, Poultry, and Aquaculture Feed

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Introduction

The *Pet Food, and Livestock, Poultry, and Aquaculture Feed* section covers pet food (generally for cats and dogs), feed (food for livestock or poultry), and pet chews and toys.



Animal products might be offered for entry under descriptions that may be misleading or appear to not be subject to prohibition, such as additive, adhesive, feed/food additive, fertilizer, nutritional supplement, or supplement. Carefully scrutinize descriptions for prohibited products.

Feed may contain a diverse cross section of animal products in their ingredients, as follows:

- ◆ Animal product ingredients
 - ❖ Animal fat
 - ❖ Blood meal
 - ❖ Bone meal
 - ❖ Feather meal
 - ❖ Meat meal
 - ❖ Poultry meal
 - ❖ Tankage
- ◆ Animal waste ingredients
 - ❖ Hydrolyzed hair
 - ❖ Poultry feathers
 - ❖ Poultry waste and litter
 - ❖ Urea
- ◆ Milk product ingredients
 - ❖ Buttermilk (dried, feed grade)
 - ❖ Casein
 - ❖ Caseinate
 - ❖ Whey and its by-products

Likewise, pet chews and toys may be made from a diverse variety of animal products and by-products:

- ◆ Bones
- ◆ Ears
- ◆ Horns
- ◆ Hooves
- ◆ Ligaments
- ◆ Pizzles
- ◆ Snouts
- ◆ Rawhide

Pet food may contain the same ingredients as feed. Pet food may be dry, semi-moist, or moist. Pet food can be made from meat, organs, or other by-products from cattle, chicken, pork, or lamb.

Pet food and feed usually contain rendered products. Most of the ingredients previously listed are rendered products.



Rendered products and processed protein products in pet food or feed, from countries affected with BSE are **prohibited¹** from **all species of animals** (including fish) regardless of the purpose for which they are imported.

- 1 A partial list of rendered products that are prohibited includes: animal fat blends—feed grades, animal digest, blood meal—conventional cooker-dried, blood meal—flash dried, bone meal—steamed, hydrolyzed hair, hydrolyzed animal fat or oil meal tankage, meat and bone meal tankage, meat and bone meal, meat meal, poultry waste/poultry litter—feather meal, spray-dried animal blood, tallow, and urea.

Feed supplements (nutritive products that are added to feed to produce a more complete feed), and feed additives (non-nutritive products that are added to feed to affect production) may be categorized as follows:

- ◆ Anthelmintics (compounds that are used to control worms and other parasites)
- ◆ Antimicrobial agents (antibiotics and other compounds that inhibit the growth of microorganisms)
- ◆ Antioxidant products that inhibit the oxidation of fats or vitamins
- ◆ Binders (products that promote cohesiveness of pellets)
- ◆ Buffers (compounds that maintain the pH of the digestive tract)
- ◆ Carcass modifiers (products added to increase carcass leanness)
- ◆ Colostrum bolus or powder (compound containing a high level of immunoglobulins)
- ◆ Enzymes (products added to improve digestibility)
- ◆ Flow agents (products that prevent caking and improve flow of feed)
- ◆ Flavorings (products added to improve palatability or mask off-flavors)
- ◆ Hormones
- ◆ Liquid protein (protein product usually containing molasses, vitamins, urea, and trace minerals)
- ◆ Microbes or probiotics (microorganisms themselves)
- ◆ Milk replacer (milk substitute)
- ◆ Mineral and salt licks
- ◆ Vitamins
- ◆ Yeast (organism that improves feed digestion and stabilizes the pH of the digestive tract)

Not covered in this section are the following:

- ◆ Animal waste; regulate these ingredients under ***Animal Waste and Related By-Products***
- ◆ Bird feed, **except for** that containing suet; regulate suet under ***Foreign Origin Meat and Meat Products, Ruminants***
- ◆ Blood meal, bone meal, feather meal, hoof or horn meal, or meat meal; regulate these ingredients as rendered products under ***Animal Waste and Related By-Products***
- ◆ Feed made wholly from plant material
- ◆ Preserved aquatic worms (e.g., flash-frozen polychaetes or freeze-dried tubifex) have unrestricted entry

When a VS permit authorizes entry of the additive, animal food, feed, chew, supplement, or toy, match the following information on the shipping documents with that on the permit:

- ◆ Current date
- ◆ Description of the material
- ◆ Shipper
- ◆ Consignee
- ◆ Conditions spelled out on the permit



Make sure that the permittee has signed the permit. If he or she has not signed the permit, return it for signature.

Follow **Table 3-18-1** as you match the permit with the shipping documents.

TABLE 3-18-1 Validate Importation Authorized Entry by a VS Permit

If the shipping documents:	And the:	Then:
Match the permit	→	RELEASE or CONTROL as stated on the permit
Do not match the permit	Permit has expired	<ol style="list-style-type: none"> DO NOT RELEASE the HOLD HAVE the consignee contact VS, TTSPS (see Table 2-2-11) SAFEGUARD the importation until you hear from VS, TTSPS
	Discrepancy is other than an expired permit	<ol style="list-style-type: none"> DO NOT RELEASE the HOLD CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

Locator

When a VS Permit does **not** accompany an importation of animal food or feed, use **Table 3-18-2** to determine the appropriate regulatory action to take.



In order to regulate pet food, you must have a list of ingredients. Ask the importer or the importer's agent to provide you with a list of ingredients. Once you have list of ingredients, use the decision tables that follow.

TABLE 3-18-2 Regulatory Action on Pet Food, and Livestock, Poultry, and Aquaculture Feed (Including Chews and Toys)

If it is:	And:	And from:	Then:
Pet food ¹ that is: ♦ Canned, shelf-stable ♦ Dry ♦ Semi-moist ² (dog and cat food)	From a country affected with BSE ³	→	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
	From a country free from BSE	→	GO to Table 3-18-3
Chews or toys	Bones	→	GO to Table 3-18-16
	Horns or hoofs	→	GO to Table 3-18-17
	Rawhide	→	GO to Table 3-18-15
	Other than bones, horns, hoofs, or rawhide (ears, ligaments, pizzles, or snouts)	Poultry	GO to Table 3-18-14
		Ratite	
		Ruminant	GO to Table 3-18-12
		Swine	GO to Table 3-18-13
Feed (for livestock, poultry, and aquaculture)	Blood meal, bone meal, hoof or feather meal	→	1. REGULATE as a rendered product 2. GO to Animal Waste and Related By-Products on page 3-2-1
	Other than a meal as listed in the cell above	→	GO to Table 3-18-18
Feed additive or supplement	→	→	GO to Table 3-18-23
Altogether without animal derived ingredients (such as grain, oilseed, or roughage)	→	→	1. APPLY plant quarantine if appropriate 2. RELEASE
Other than described above	→	→	1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for further action (see Appendix H)

1 If it is a small amount of food in a cage with dogs, cats, or laboratory animals, it is unnecessary to remove the pet food from the cage.

- 2 Dry or semi-moist pet food refers to that manufactured using an expander. Raw materials are blended. The blend is fed into an expander, and steam or hot water is added to it. The blended material is subjected to steam heat to around 305° F and pressure. The mixture is then extruded through dies that determine the final shape of the product, and is finally cooked at high temperature and pressure. The extruded food is allowed to dry. Once the food is dried, it is usually sprayed with fat or blood to make it more palatable.
- 3 If accompanied by a permit, **unrendered** chicken, fish, shellfish, or horse meat as an ingredient is admissible.



Canned, shelf-stable pet food can no longer be released without restriction since it may contain processed animal fat, bone meal, and meat by-products (regulated because of BSE). Moreover, canned, shelf-stable seafood varieties of pet food most often contain beef by-products, poultry by-products, or both as ingredients. Therefore, **do not** assume that seafood varieties contain only seafood. Similarly, poultry varieties of pet food may contain ruminant derivatives and meat by-products. You **must** know the ingredients in pet food before you can regulate the pet food.

Canned, Shelf Stable or Dry or Semi-Moist Pet Food from Countries Free from BSE

TABLE 3-18-3 Canned, Shelf Stable or Dry or Semi-Moist Pet Food from Countries Free from BSE

If from:	And:	Then:
Canada	Canadian origin can be confirmed ¹	RELEASE
	Can be confirmed that the pet food was legally imported into Canada ¹	
	Canadian origin cannot be confirmed	DO NOT RELEASE the HOLD until the importer provides evidence of Canadian origin or obtains a VS permit
New Zealand	Appropriately certified ²	RELEASE
	Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
Neither Canada nor New Zealand	Fish or shellfish	GO to Table 3-18-4
	Poultry	GO to Table 3-18-6
	Ruminant	GO to Table 3-18-8
	Swine	GO to Table 3-18-10
	Animal source cannot be determined	Contact PPQ-VRS-AQI or PPQ-VRS-HQ personnel (see Appendix H)

1 Any of the following would be sufficient proof of origin:

- ◆ Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originates in Canada or was legally imported into Canada (this may be a quarterly certificate)
- ◆ North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as Customs Form 434). The form is available on the Internet at <www.customs.gov/download/forms/pdf/434.pdf>. The form is also acceptable if it has been produced on company letterhead or on Canadian letterhead
- ◆ Invoice listing a Canadian exporter
- ◆ Labels, commercially printed and indicating that the material is a product of Canada

- 2 An export certificate that states **one** of the following:
- ◆ The product is of New Zealand origin
 - ◆ The animal derived products or components have been imported from *[name of country]* and meet the requirements listed in 9CFR 95.29
 - ◆ The animal-derived products or components are being re-exported from *[must list either Canada or the United States]*
 - ◆ An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)





Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Fish or Shellfish from a Country Free from BSE

TABLE 3-18-4 Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Fish or Shellfish

If the product is:	And:	Then:
Canned, shelf stable (solely fish, fishmeal, or shellfish or fish materials mixed with ruminant or poultry by-products)	Is appropriately certified ¹	RELEASE
	Lacks the required certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see Table 2-2-11)
Dry or semi-moist	—————→	GO to Table 3-18-6

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
- ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

TABLE 3-18-5 Dry or Semi-Moist Pet Food Derived from Fish or Shellfish from a Country Free from BSE

If it contains:	And the country of origin is known to be:	And it:	Then:
Solely fish, fishmeal, or shellfish		Is appropriately certified ¹	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Combination of fish products with ruminant by-products	Affected with FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from FMD	Is appropriately certified	
	Free from FMD	Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
		Is appropriately certified	
Combination of fish products with poultry by-products	Affected with END		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from END	Is appropriately certified	
	Free from END	Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
		Is appropriately certified	
Combination of fish products with swine by-products	Affected with ASF, CSF, FMD, or SVD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, FMD, and SVD	Lacks certification	
	Free from ASF, CSF, FMD, and SVD	Is appropriately certified	RELEASE

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
- ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR94.18(a)

Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Poultry from a Country Free from BSE




TABLE 3-18-6 Canned or Dry or Semi-Moist Pet Food Derived from Poultry

If the product is:	And:	Then:
Canned, shelf stable (may contain poultry, poultry by-products, ruminant by-products, meat by-products, or animal fat)	Is appropriately certified ¹	RELEASE
	Lacks the required certification ¹	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see page 2-4-25)
Dry or semi-moist	—————→	GO to Table 3-18-7

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
- ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Dry or Semi-Moist Pet Food Derived from Fowl or Poultry from a Country Free from BSE


TABLE 3-18-7 Dry or Semi-Moist Pet Food Derived from Fowl or Poultry from a Country Free from BSE

If it contains:	And the country of origin is known to be:	And it:	Then:
Solely poultry material	Affected with END		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from END	Is appropriately certified ¹	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Combination of poultry with ruminant by-products, meat by-products, or animal fat	Affected with END or FMD		2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from both END and FMD	Is appropriately certified ¹	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Combination of poultry products with swine by-products, meat by-products, or animal fat	Affected with ASF, CSF, END, FMD, or SVD		2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, END, FMD, and SVD	Lacks certification	
		Is appropriately certified ¹	RELEASE

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
- ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)




Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Ruminant Material from a Country Free from BSE

TABLE 3-18-8 Canned, Shelf Stable, or Dry or Semi-Moist Pet Food Derived from Ruminants¹

If the product is:	And the shipment:	Then:
Canned, shelf stable	Is appropriately certified ²	RELEASE
	Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate option including applying for a VS permit (see page 2-4-25)
Dry or semi-moist		GO to Table 3-18-9

- 1 Beef or lamb, beef or lamb by-products, or animal fat.
- 2 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

TABLE 3-18-9 Dry or Semi-Moist Pet Food Derived from Ruminants


If the product is:	And the country or region of origin is known to be:	And:	Then:
Solely ruminant material (beef, lamb, or animal fat, bone, or meat meal)	Affected with FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from FMD	Is appropriately certified ¹	RELEASE
Combination of poultry with ruminant by-products, meat by-products, or animal fat	Affected with END or FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from both END and FMD	Is appropriately certified ¹	RELEASE
Combination of swine with ruminant by-products, meat by-products, or animal fat	Affected with ASF, CSF, FMD, or SVD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from, ASF, CSF, FMD, or SVD	Lacks certification	RELEASE
		Is appropriately certified ¹	RELEASE

1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:

- ◆ Animal species from which the material was derived
- ◆ Region where any facility in which the material was processed is located
- ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
- ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
- ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Swine Material from a Country Free from BSE

TABLE 3-18-10 Canned, Shelf Stable or Dry or Semi-Moist Pet Food Derived from Swine

If the product is:	And it contains:	And the shipment:	Then:
Canned, shelf stable	Solely pork or pork products	Is accompanied by a certificate of origin ¹	RELEASE
		Lacks the certificate of origin	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Ruminant or poultry by-products	Is appropriately certified ²	RELEASE
		Lacks the required certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Dry or semi-moist			GO to Table 3-18-11

- 1 Certification that provides the species of animal, the region or country where the raw animal material originated, and the region or country where the product was produced or manufactured.
- 2 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

TABLE 3-18-11 Dry or Semi-Most Pet Food Derived from Swine

If the product is:	And the country of origin or region is known to be:	And:	Then:
Solely swine (pork) material	Affected with ASF, CSF, FMD, or SVD	→	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, FMD, and SVD	Is appropriately certified ¹	RELEASE
Combination of swine, poultry, or ruminant by-products, meat by-products, or animal fat	Affected with END or FMD	→	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from END and FMD	Is appropriately certified ¹	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
- ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Pet Chews and Toys Crafted or Manufactured from Animal By-Products



Wash your hands after handling pet chews and toys. Certain dog chews, particularly hooves and those made of pig ears, may be contaminated with salmonella.

Pet chews and toys may be made from equine, poultry, ruminant, or swine parts. Parts include bones, ears, hooves, horns, ligaments, organs, pizzles, rawhide, or skins.

Ruminant Derived Pet Chews or Toys Made from Other Than Bones, Hoofs, Horns, or Rawhide

TABLE 3-18-12 Ruminant Derived Pet Chews or Toys Made from Other Than Bones, Hoofs, Horns, or Rawhide

If the country or region of origin is known to be:	And:	And:	Then:
Free from both BSE and FMD	The origin is Canada	Canadian origin can be confirmed ¹	RELEASE
		Can be confirmed that it was legally imported into Canada ¹	
		Canadian origin cannot be confirmed	
	The origin is New Zealand	Is appropriately certified ²	RELEASE
		Lacks certification ²	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	The origin is other than Canada or New Zealand	Lacks certification ²	
Affected solely with FMD	It is fresh or frozen	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
		Is not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	It is processed	Is accompanied by a VS issued permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Affected with BSE or BSE in combination with FMD			1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)

- 1 Any of the following would be sufficient proof of origin:
 - ◆ Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originates in Canada or was legally imported into Canada (this may be a quarterly certificate)
 - ◆ North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as Customs Form 434). The form is available on the Internet at <www.customs.gov/download/forms/pdf/434.pdf>. The form is also acceptable if it has been produced on company letterhead or on Canadian letterhead
 - ◆ Invoice listing a Canadian exporter
 - ◆ Labels, commercially printed and indicating that the material is a product of Canada
- 2 An export certificate stating that the product is of New Zealand origin or an original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Swine Derived Pet Chews or Toys Made from Other Than Bones, Hoofs, or Rawhide

TABLE 3-18-13 Pet Chews or Toys Made from Swine Ears, Ligaments, Snouts, or Other Parts

If the country or region of origin is known to be:	And:	And:	Then:
Free from ASF, CSF, FMD, and SVD	The origin is Canada	Canadian origin can be confirmed ¹	RELEASE
		Can be confirmed that it was legally imported into Canada ¹	
		Canadian origin cannot be confirmed ¹	DO NOT RELEASE the HOLD until the importer provides the certification
	The origin is New Zealand	The importation is appropriately certified ²	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	The origin is other than Canada or New Zealand	Lacks certification	
Affected with ASF, CSF, FMD, and SVD	Fresh or frozen	Is consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
		Is not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Processed	Is accompanied by a VS issued permit	RELEASE or CONTROL as specified on the permit
		Lacks a VS permit	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)

- 1 Any of the following would be sufficient proof of origin:
 - ◆ Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originates in Canada or was legally imported into Canada (this may be a quarterly certificate)
 - ◆ North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as Customs Form 434). The form is available on the Internet at <www.customs.gov/download/forms/pdf/434.pdf>. The form is also acceptable if it has been produced on company letterhead or on Canadian letterhead
 - ◆ Invoice listing a Canadian exporter
 - ◆ Labels, commercially printed and indicating that the material is a product of Canada
- 2 An export certificate stating that the product is of New Zealand origin or an original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Pet Chews or Toys Made from Poultry or Ratite Parts

TABLE 3-18-14 Pet Chews or Toys Made from Poultry or Ratite Parts

If the country or region of origin is known to be:	And:	And:	Then:
Free from END	The origin is Canada	Canadian origin can be confirmed ¹	RELEASE
		It was legally imported into Canada ¹	
		Canadian origin cannot be confirmed	DO NOT RELEASE the HOLD until the importer provides evidence of Canadian origin
	The origin is New Zealand	It is appropriately certified ²	RELEASE
		Lacks the required certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	The origin is other than Canada or New Zealand	Lacks the required certification	
Affected with END	It is fresh or frozen	It is consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
		It is not consigned to an approved establishment	
	It is processed	Lacks a VS issued permit	
		Is accompanied by a VS issued permit	RELEASE or CONTROL as specified on the permit

1 Any of the following would be sufficient proof of origin:

- ◆ Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originates in Canada or as legally imported into Canada (this may be a quarterly certificate)
- ◆ North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as Customs Form 434, and is available on the Internet at <www.customs.gov/download/forms/pdf/434.pdf>). The form is also acceptable if it has been produced on company letterhead or on Canadian Letterhead
- ◆ Invoice listing a Canadian exporter
- ◆ Labels, commercially printed, and indicating that the material is a product of Canada

- 2 An export certificate stating that the product is of New Zealand origin or an original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

Pet Chews or Toys Made from Rawhide

Rawhide is the untanned, leathery skin of cattle. Rawhide is de-haired, dried, and leathery. If rawhide has been coated or ground up, it may be of concern because there is no way of knowing what additional ingredients may have been added.



Inspect rawhide chews and toys for meat fibers. Smell the product to determine if there is a strong odor. If you detect meat fibers or smell a strong odor, the product is **not** admissible.

TABLE 3-18-15 Determine Action to Take on Pet Chews or Toys Made from Rawhide

If the rawhide:	And:	Then:
Is plain rawhide	Upon inspection is found to be plain rawhide, without added flavoring or coloring	RELEASE
	Upon inspection is found to be other than plain rawhide	1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for advice (see Appendix H)
Was ground, molded, flavored, colored or otherwise processed	Is accompanied by a certificate of origin and appropriate certification ¹	RELEASE
	Lacks the appropriate certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Is other than described in the two cells above	→	1. DO NOT RELEASE the HOLD 2. CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel for advice (see Appendix H)

1 Certification that confirms (a) the articles were made from rawhide, and (b) they contain no other ingredients of animal origin except those of U.S. origin.





Pet Chews or Toys Made from Bones, Horns, and Hoofs

This section contains articles imported primarily for dogs to chew on. Some of the articles may include the following:

- ◆ Bones
- ◆ Hoofs (plain, smoked, or stuffed with rawhide or cheese)
- ◆ Smoked beef knuckles
- ◆ Horns









Pet Chews or Toys Made from Bones

TABLE 3-18-16 Determine Action to Take on Pet Chews or Toys Made from Bones

If the article is from:	And the country or region of origin is known to be:	And it is:	Then:
Ruminant	Affected with BSE		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
	Free from BSE	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
		Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Swine		Not consigned to an approved establishment	
		Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K)
Neither a ruminant nor a swine			RELEASE

Pet Chews or Toys Made from Hoofs or Horns

TABLE 3-18-17 Action to Take on Pet Chews or Toys Made from Hoofs or Horns

If the hoofs or horns are from:	And the region of origin is known to be:	And:	And it is:	Then:
Ruminant	Affected with BSE			1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
	Free from BSE	Is accompanied by a <i>Government of Origin Certificate</i> stating that the hoofs or horns were treated by an approved method ¹		RELEASE
		Lacks the certification of processing ¹	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K to complete form)
			Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
Swine		Is accompanied by a government of origin certificate stating that the hoofs or horns were treated by an approved method ¹		RELEASE
		Lacks the certificate of processing ¹	Consigned to an approved establishment	AUTHORIZE shipment under seal with VS 16-78 (see Appendix K)
			Not consigned to an approved establishment	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-2-11)
Other than a ruminant or swine				RELEASE

1 One of the following approved methods of processing must appear on the certificate:

- ◆ Dry heat at 180°F (82.2°C) for 30 minutes
- ◆ Cooking in boiling water for 20 minutes
- ◆ Soaking for 2 hours in a 0.1 percent solution of chlorine bleach
- ◆ Soaking for 2 hours in a 5 percent solution of acetic acid
- ◆ Soaking for 2 hours in a 5 percent solution of hydrogen peroxide

Feed for Livestock, Poultry, and Aquaculture

Feed is defined as materials which are distributed as food or for mixing in a ration for domestic farm and ranch animals such as cattle, sheep, swine, goats, llamas, rabbits, horses, and poultry. Feed also includes those materials distributed for food for aquaculture (to feed fish, alligators, crocodiles, crustaceans, turtles, and shellfish).

Some rations may contain solely grains and plant products. If the ingredients list only plant derived material, these are free from animal product regulations. However, these feeds are subject to plant quarantines. Many rations contain animal products or by-products to supply protein in a ration or to increase palability.

Feed may contain protein that originated from a mammal, including other livestock, whether rendered or **not**; for example, blood meal, fish meal, meat scraps, or meat meal. Feed may also have milk, gelatin, waste materials, or animal fat or its derivatives as ingredients.





Since feeds are fed directly to livestock and may come from animal protein and thus contain infective agents of animal diseases (virus, bacteria, prions), feed may require a VS Permit.

TABLE 3-18-18 Determine Action to Take on Feed for Livestock, Poultry, and Aquaculture

If the list of ingredients show:	And from:	And:	And the principle ingredient is:	Then:
Solely grains and plant products including cubed or pelletized hay				RELEASE but apply plant quarantines as appropriate
			→	
Any animal products or by-products	Canada	Canadian origin can be confirmed ¹		RELEASE
		Can be confirmed that it was legally imported into Canada ¹	→	
		Canadian origin cannot be confirmed	→	
	New Zealand	Appropriately certified ²	→	RELEASE
		Lacks certification	→	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options (see Table 2-4-23)
	Neither Canada nor New Zealand	From a country affected with BSE	→	
		From a country free from BSE	Fish or shellfish	Go to Table 3-18-19
			Poultry	Go to Table 3-18-20
			Ruminant	Go to Table 3-18-21
			Swine	GO to Table 3-18-22
			Indeterminable	CONTACT PPQ-VRS-AQI or PPQ-VRS-HQ personnel (see Appendix H)




- 1 Any of the following would be sufficient proof of origin:
 - ◆ Original certificate signed by a Canadian Food Inspection Agency (CFIA) official stating that the product originates in Canada or was legally imported into Canada (this may be a quarterly certificate)
 - ◆ North American Free Trade Agreement (NAFTA) certificate of origin (this document is also known as Customs Form 434). The form is available on the Internet at <www.customs.gov/download/forms/pdf/434.pdf>. The form is also acceptable if it has been produced on company letterhead or on Canadian letterhead
 - ◆ Invoice listing a Canadian exporter
 - ◆ Labels, commercially printed and indicating that the material is a product of Canada
- 2 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)

TABLE 3-18-19 Feed Containing Fish or Shellfish as an Ingredient from a Country Free from BSE, Except for Canada or New Zealand

If it contains:	And the country of origin is known to be:	And:	Then:
Solely fish, fishmeal, or shellfish (may be mixed with plant material)		Is appropriately certified ¹	RELEASE
		Lacks certification	1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options, including applying for a VS permit (see Table 2-2-11)
Combination of fish products with ruminant by-products ²	Affected with FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options, including applying for a VS permit (see Table 2-2-11)
		Lacks certification	
	Free from FMD	Is appropriately certified ¹	RELEASE
Combination of fish products with poultry by-products	Affected with END		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options, including applying for a VS permit (see Table 2-2-11)
		Lacks certification	
	Free from END	Is appropriately certified ¹	RELEASE
Combination of fish products with swine by-products	Affected with ASF, CSF, FMD, or SVD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options, including applying for a VS permit (see Table 2-2-11)
		Lacks certification	
	Free from ASF, CSF, FMD, and SVD	Is appropriately certified ¹	RELEASE




- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived only from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material **did not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 2 If one of the ingredients is milk or a milk product, then regulate that product separately. See [Milk and Milk Products](#).

TABLE 3-18-20 Feed Containing Fowl or Poultry as an Ingredient from a Country Free from BSE, Except for Canada or New Zealand

If the product is:	And the country of origin is known to be:	And:	Then:
<ul style="list-style-type: none"> ◆ Solely poultry material ◆ Poultry material mixed with plant material) 	Affected with END		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from END	Is appropriately certified ¹	RELEASE
Combination of poultry with ruminant by-products ² , meat by-products, or animal fat	Affected with END or FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from both END and FMD	Is appropriately certified ¹	RELEASE
Combination of poultry products with swine by-products, meat by-products, or animal fat	Affected with ASF, CSF, END, FMD, or SVD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, END, FMD, and SVD	Lacks certification	
		Is appropriately certified ¹	RELEASE



- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 2 If one of the ingredients is milk or a milk product, then regulate that product separately. See [Milk and Milk Products](#).

TABLE 3-18-21 Feed Containing Ruminant Material as an Ingredient from a Country Free from BSE, Except for Canada and New Zealand

If the product is:	And the country or region of origin is known to be:	And:	Then:
Solely ruminant material ² (beef, lamb, or animal fat, bone or meat meal); may be mixed with plant material)	Affected with FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from FMD	Is appropriately certified ¹	RELEASE
Combination of poultry with ruminant ² by-products, meat by-products, or animal fat	Affected with FMD or END		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from END or FMD	Is appropriately certified ¹	RELEASE
Combination of swine with ruminant ² by-products, meat by-products, or animal fat	Affected with ASF, CSF, FMD, or SVD		2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, FMD, and SVD	Lacks certification	
		Is appropriately certified ¹	RELEASE

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 2 If one of the ingredients is milk or a milk product, then regulate that product separately. See [Milk and Milk Products](#).

TABLE 3-18-22 Feed Containing Swine as an Ingredient from a Country Free from BSE, Except for Canada or New Zealand

If the product is:	And the country of origin or region is known to be:	And:	Then:
Solely swine (pork) material (may be mixed with plant material)	Affected with ASF, CSF, FMD, or SVD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
	Free from ASF, CSF, FMD, and SVD	Is appropriately certified ¹ Lacks certification	RELEASE 1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
Combination of swine, poultry or ruminant by-products ² , meat by products, or animal fat	Affected with END or FMD		1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)
		Is appropriately certified ¹ Lacks certification	RELEASE 1. DO NOT RELEASE the HOLD 2. PROVIDE the importer with the appropriate options including applying for a VS permit (see page 2-4-25)

- 1 An original certificate signed by a full-time veterinarian of the agency responsible for the animal health in the exporting region and declaring the following:
 - ◆ Animal species from which the material was derived
 - ◆ Region where any facility in which the material was processed is located
 - ◆ Material was derived **only** from animals that have **never** been in any region listed in 9CFR 94.18(a)
 - ◆ Material did **not** originate in and was **never** stored, rendered, or otherwise processed in a region listed in 9CFR 94.18(a)
 - ◆ Material was **not** otherwise associated with a facility located in a region listed in 9CFR 94.18(a)
- 2 If one of the ingredients is milk or a milk product, then regulate that product separately. See [Milk and Milk Products](#).

Additives and Feed Supplements

A feed additive is a non-nutritive product that is added to feed to affect production. Additives include antibiotics, hormones, microorganisms including yeast, and products used to improve the palatability and consistency of the feed to which it is added.

A feed supplement is a nutritive product that is added to feed to produce a more complete feed. Supplements include minerals, proteins, and vitamins

TABLE 3-18-23 Determine Action to Take on Feed Additives and Supplements

If the product is:	Then:
Wholly inorganic (anthelmintic, antioxidant, binder, buffer, flow agent, mineral, synthetic flavoring, salt lick, synthetic vitamin)	RELEASE
Antibiotic or vitamin	
Based on dairy products, such as colostrum or milk replacer ¹	REGULATE under Milk and Milk Products on page 3-14-1
Hormone	REGULATE under Organs on page 3-16-1
Tallow derivative (linoleic acid, stearic acid)	RELEASE
◆ Wholly planted based ²	
◆ Microorganism itself ³	

1 Some milk replacers contain animal fat which is a rendered product.

2 Some enzymes and flavorings (such as molasses).

3 Also called probiotics; for example *Bacillus* spp., *Lactobacillus* spp., *Proteus* spp., *Pseudomonas* spp., *Saccharomyces* spp., and *Streptococcus* spp.